MUHAMMAD IZZUL BIN ROSLAN
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SUMMARY

Final-year Bachelor of Computer Science (Artificial Intelligence) student at Universiti Teknikal Malaysia Melaka (UTeM), with a CGPA of 3.61. Skilled in data analysis, machine learning, and data visualization using Python, SQL, Power BI, and Tableau. Experienced in delivering AI-driven solutions through academic projects, competitions, and leadership roles. Seeking a 6 month internship (6 Oct 2025 – 20 Mar 2026) as a Data Analyst to apply analytical thinking, problem solving, and data storytelling skills in real world, data-driven environments while learning from industry professionals.

EDUCATION

UNIVERSITI TEKNIKAL MALAYSIA MELAKA (UTeM)   *Oct 2022 – Present*
Bachelor of Computer Science in Artificial Intelligence | CGPA: 3.61 | GPA: 4.00

• Exchange Semester at Universitas Internasional Batam (UIB), Indonesia   Sep 2023 – Dec 2023
  Mobility Credit Outbound Program | GPA: 3.95

KOLEJ MATRIKULASI PERAK (KMPk)   *Jun 2021 – May 2022*
Foundation of Life Science | CGPA: 3.63 | MUET: Band 4.5

EXTRACURRICULAR ACTIVITIES

AI Debate 2024 – Technical Committee Member   *Dec 2024*
Assisted with technical setup and event logistics for a university-wide debate competition involving participants from different UTeM faculties.

Panca D'FTMK Summit 2023 – Protocol Committee Member   *May 2024*
Managed event protocols and ensured smooth coordination of formal procedures during the faculty's annual mega event.

Robotic Clinic – Facilitator, MRCSB Digital and Innovation Day   *Nov 2022*
Guided primary school students in hands-on robotics activities, promoting STEM education and digital innovation.

PROJECTS

HartaNext: Kuala Lumpur Real Estate Price Prediction   *Feb 2025 – Jun 2025*
• Developed a Streamlit web app to forecast Kuala Lumpur residential property prices using machine learning models on scraped iProperty Malaysia data.
• Cleaned and standardized high-rise and landed transaction datasets, integrating multiple formats into a unified structure for analysis and model training.

GreenModel: AI Carbon Emission Tracker   *Apr 2025 – May 2025*
• Developed a real-time carbon tracking platform using Streamlit, CodeCarbon, and OpenAI API to measure emissions from ML model training (Iris, Wine, Breast Cancer datasets) and chatbot interactions.
• Implemented a "Green Mode" feature to reduce emissions by up to 30% by adjusting chatbot model efficiency, promoting responsible AI usage.
• Created interactive dashboards, global CO_2 visualizations, and educational content to raise awareness about the environmental impact of computation.

WakeTrack: AI Solutions for Drowsiness Detection *Oct 2024 – Jan 2025*

• Led a team of 4 to build an AI-powered web system using Python, OpenCV, and Flask for real-time drowsiness detection module using EAR and facial landmark tracking to trigger alerts for fatigue symptoms such as prolonged eye closure.

• Integrated an AI Companion module using GPT (OpenAI API) and voice interaction for real-time engagement, including weather updates, greetings, jokes, and navigation.

• Designed a Music Recommendation module that uses CNN for emotion detection and KMeans clustering to suggest mood-based YouTube music playlists.

Clothing Store Inventory Management System *Apr 2024 – Jun 2024*

• Developed a role-based inventory management system using C++ and MySQL to replace manual record-keeping in retail clothing stores.

• Implemented secure login with role-specific access for Admin (report generation & full control), Staff (inventory updates), and Customers (browsing, cart, checkout, profile updates).

• Enabled core CRUD operations for inventory, customers, staff, and admin records, ensuring accurate stock control and eliminating data duplication.

SKILLS & ABILITIES

Languages	: Python, C++, SQL, R, HTML, CSS, JavaScript
Frameworks & Libraries	: Scikit-learn, Pandas, NumPy, Seaborn, Matplotlib, TensorFlow, Keras, OpenCV
Tools & Platforms	: Power BI, Tableau, Microsoft Excel, Microsoft Word, Microsoft PowerPoint, MySQL, Visual Studio Code, GitHub, Canva, Figma, RStudio, MATLAB, Jupyter Notebook
Soft Skills	: Time Management, Critical Thinking, Analytical Thinking, Communication
Spoken Languages	: English (Fluent), Malay (Fluent)

AWARDS & HONORS

Second Place in Workshop II Innovation Competition *Jan 2025*

Awarded 2nd place in the System/Product category (BCS Artificial Intelligence) at Workshop II Innovation for the project WakeTrack: AI Solutions for Drowsiness Detection.

Dean's List *Sep 2023 - Feb 2025*

Dean's List, Universiti Teknikal Malaysia Melaka (Semester 3, 4, and 5)

CERTIFICATIONS

Google Data Analytics Specialization	(Credential ID - RWUSACY5VKO7)	*Mar 2025*
Google Advanced Data Analytics Specialization	(Credential ID - ZMEKJRPEGFX0)	*Apr 2025*
DataCamp Associate Data Scientist	(Credential ID - DSA0019147353573)	*May 2025*

REFEREES

Prof. Madya Ts. Dr. Sharifah Sakinah Syed Ahmad
Position: Associate Professor, Universiti Teknikal Malaysia Melaka (UTeM)
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Ts. Dr. Sek Yong Wee
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